

Application Serial Number 10/533,728
Response to Office Action
Dated

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1. Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A mobile radio, comprising:

a GSM receiving unit (1),
an analog-to-digital converter (3) next in line for converting analog signals into digital signals,
a digital signal processor (4) for reconstructing and processing the received signals,
a system controller (5) for controlling the components of the mobile radio,
a real-time circuit (7) comprising an oscillator (8) and a display (6) for displaying information, in which ~~another further~~ receiving unit (19, 22) is arranged for receiving a time reference signal, ~~which further~~ the other receiving unit (19, 22) comprises an antenna (13, 18) for receiving time reference signals, tunable capacitors (12) for tuning to the transmit frequency and an amplifier (11) for amplifying the received time reference signal, and
a multiplex unit (2) inserted between the GSM receiving unit (1) and the analog-to-digital converter (3), which multiplex unit (2) can be supplied with the received analog mobile radio signal and the time reference signal and in which mobile radio the received time reference signal can be applied at a predetermined instant to the digital signal processor (4) for demodulation and filtering and to the system controller (5) for decoding, and there is provided to update the real-time circuit (7) with the decoded time reference signal.

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2. (Currently Amended) A mobile radio as claimed in claim 1, ~~characterized wherein~~
that the multiplex unit (2) can be controlled by the system controller (5).

3. A mobile radio as claimed in claim 1, ~~characterized in that wherein~~ the gain
factor of the amplifier (11) and the tunable capacitance (12) can be set by the system
controller (5).

4. (Currently Amended) A mobile radio as claimed in claim 1, ~~characterized in that~~
~~that wherein~~ the real-time circuit (7) can be updated by the system controller (5).

5. (Currently Amended) A mobile radio as claimed in claim 1, ~~characterized in that~~
~~wherein wherein~~ the updating distance can be chosen at will or is fixedly programmed.

6. (Currently Amended) A mobile radio as claimed in claim 1, ~~characterized in that~~
~~wherein the further other~~ receiving unit is a receiving unit (22) for amplitude-modulated
signals.

7. (Currently Amended) A mobile radio as claimed in claim 1, ~~characterized in that~~
~~wherein~~ the receiving unit is a receiving unit (19) for frequency-modulated signals.

8. -11. (Cancelled).